

# NEW TDD

New Holland TDD tractors  
Models TD80D, TD90D and TD95D



NEW HOLLAND



# Common sense tractors with head turning looks.

The modern styling of Series TDD tractors not only looks good. It is linked to better visibility, class leading comfort levels and excellent service access. All models can be specified with a Synchro Shuttle™ transmission, a creeper transmission, 2WD with 30kph transport speed or 4WD with 40kph . The engine air filter and exhaust muffler are mounted under the single-piece engine hood to provide a clear view over the front of the tractor. The stylish cab features large glazed doors that not only make getting in and out easier but also offer an excellent field of vision to the sides. With Series TDD tractors, beauty is more than skin deep.



## Tractors to match your needs

The New Holland Series TDD tractor range offers a choice of specification to meet the diverse needs of customers. A suspended, flat floor platform is standard on less cab models (not available in UK/ROI) for improved levels of comfort and reduced vibration. The cabbed models offer an excellent field of vision and class leading levels of comfort. Air conditioning is available.



## Modern style, traditional simplicity

New Holland Series TDD tractors combine simple operation and maintenance with the benefits of modern comfort, attractive styling and a choice of features. The transmission choice covers all type of applications with the Synchro Command™ 12x4 (not available in UK/ROI) and the Synchro Shuttle™ 12x12 30 or 40kph, available also with the creeper option 20x12. Series TDD can be specified with 2WD or 4WD.



## Proven efficiency

The rugged mechanical hydraulics are extremely efficient. The rear linkage offers a high lift capacity and proven features that include the Lift-O-Matic™ system. Up to three rear and two mid-mount couplers can be specified.

# Putting the operator in comfortable control.

New Holland has long recognised the importance of operator comfort and safety. New Holland TDD tractors benefit from excellent ergonomics, low noise levels and high comfort levels. The flat floor is mounted on isolation blocks to reduce heat, noise and vibration. Even the floor pedals are sealed to cut noise. The seat adjusts quickly and easily to suit all sizes and weights of operator. The field of vision to the sides, front and rear is excellent. With New Holland, First Class accommodation is the standard.

## **A cabbed tractor with less-cab visibility**

Series TDD cabbed tractors benefit from a modern stylish cab with fully glazed doors and opening curved rear side windows. By combining narrow pillars with a large glazed area, the cab offers an excellent all-round field of vision. Air conditioning is available.



### **Less-cab versatility**

Less cab models (not available in UK/ROI) can be specified with a sun canopy. Designed to deflect noise from the operator, the canopy can be removed when access to low buildings is necessary.



### **Simple but informative**

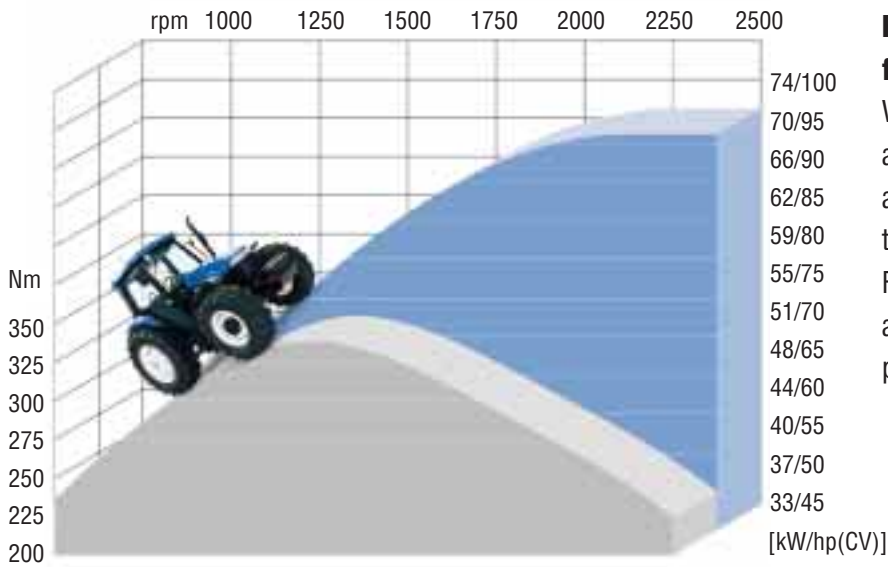
The instrument panel has analogue gauges for temperature, engine speed and fuel level, with large, bright warning lights for other functions including the parking brake, lights and direction indicators. All the information you need, simply and clearly presented.



# New generation of modern and economical engines.

Specifically developed for agriculture by Iveco, the 3.9 litre four-cylinder engines powering Series TDD tractors are all new designs. Smooth, quiet and compliant with Tier II emission regulations, these engines offer excellent power and torque characteristics. Low fuel consumption and long service intervals help reduce whole life operating costs.





**Power and torque for versatile performance**

With maximum power developed at 2500rpm and torque reserves as high as 33%, Series TDD tractors are extremely versatile. For demanding draft and PTO applications, there is always power in reserve.



**Low level fuel filling**

Series TDD tractors are more than just good looking. Advanced features include a low level fuel tank that is easily filled. The tank has sufficient capacity for a full working day, even in the most demanding applications.



**Easy servicing**

Daily maintenance and routine servicing are easier on Series TDD. The narrow engine hood opens on gas struts to provide full engine access. All service filters are easy to reach and change. Looking after a TDD tractor takes less time for lower whole life costs.

# Efficient, easy to use and versatile.

Series TDD tractor models are offered with a choice of transmissions to suit a broad range of applications. Based upon proven New Holland modules, TDD tractors can be specified with a Synchro Shuttle™ transmission with matched forward and reverse speeds, additional creep speeds and a 40kph transport ratio. Low power loss through the transmission is a key New Holland feature. This is achieved by careful design, reducing the number of gears that are engaged to produce a given operating speed. For durability, the constant mesh gears are helically cut. This feature helps reduce noise and vibration and is a key feature in ensuring maximum durability. The standard transmission features at 30kph transport ratio. Where local conditions allow, a 40kph transmission is available.



## The right speed for the job

The entry level Synchro Command™ 12x4 transmission (not available in UK/ROI) has three ranges of four speeds.

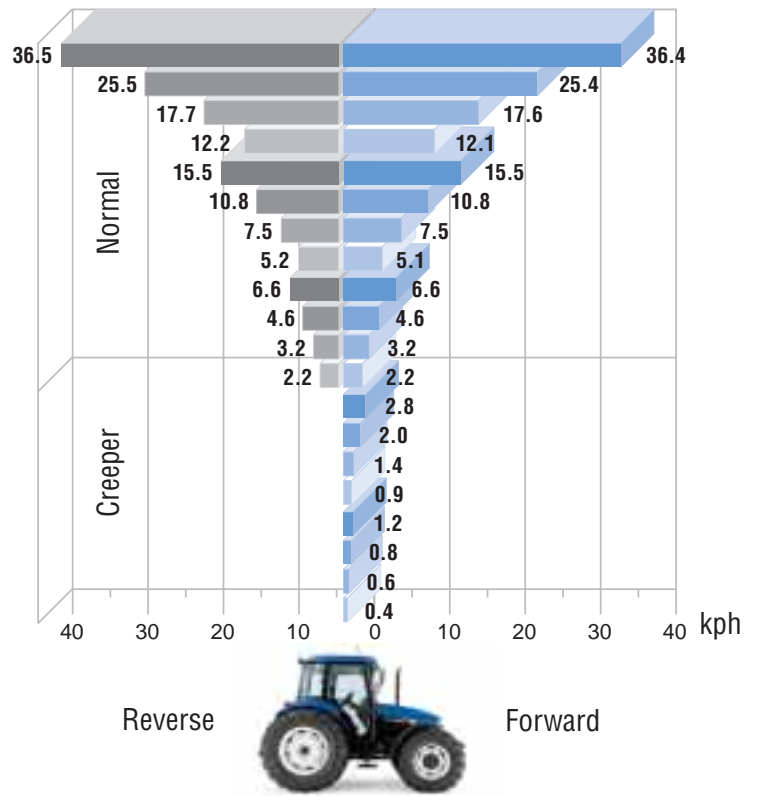
The transmission design enables the operator to select a working ratio and then choose the right speed to match the job. If conditions change, the overlap between the speeds enables a different gear to be selected within the same ratio. Up to eight gears can be selected in the main working speeds between 4 - 12kph.





**Matched forward and reverse speeds**

The 12x12 Synchro Shuttle™ transmission features a synchromesh reverse lever. Changing direction is fast and easy, with matched forward and reverse speeds. This enables turns to be made faster at the end of the field or when working with a front loader.



**Creep speeds as low as 0.3kph**

For low speed work, a 20x12 creeper transmission is available. This increases the choice of forward ratios to suit the work in hand. A key Series TDD feature is ease of operation. Selecting a low speed ratio is simple, enabling the operator to select the right speed quickly and easily.



# Simply efficient.

Series TDD offer easy to use performance. The powerful hydraulic system is simple to operate, with the linkage levers and colour coded remote valve levers mounted within easy reach of the operator. The fully independent PTO has a choice of operating speeds. Standard features include Lift-O-Matic™ rear linkage management system and a choice of up to three rear and two mid-mount remote valves.





### **Proven linkage control**

All Series TDD tractors feature New Holland's proven Flexion Bar™ lower link draft sensing. The system is simple to operate. It incorporates the Lift-O-Matic™ rear linkage control, which can be set by the operator to raise and lower an implement to pre-set heights via a single control, as standard. This reduces the number of operations that need to be made when turning at the end of the field and also ensures preset lift and lower heights are maintained.

### **Efficient and easy to use**

Series TDD tractors feature a low power absorption, fully independent PTO system to minimise power losses and maximise efficiency. The PTO clutch is operated using a hand lever. This allows the operator to gradually feed PTO power to the implement. The two speed PTO selector is locked via a safety collar. Speeds available include ground speed, 540, 540E and 1000rpm.

### **More flow, greater control**

Series TDD tractors are fitted with a dedicated, high capacity hydraulic pump. Delivering 40l/min, the standard pump capacity can be increased to 52l/min with the optional MegaFlow™ pump (standard equipment in UK/ROI). All models are equipped with a dedicated steering pump with 26.5l/min capacity to keep all the main pump flow available for hydraulic implements.

# Light and manoeuvrable, tough and dependable.

Light and manoeuvrable, Series TDD tractors are well suited to applications such as baling and spraying. Models with 4WD also benefit from excellent traction. In adverse conditions, power can be directed to all wheels for optimum traction. Front fenders are also available. Choose the specification to match your application.

## Four wheel drive for field and transport

Four wheel drive models feature a high clearance, central differential front axle. Two steering cylinders and an extremely robust tracking rod are standard. This ensures the front wheels retain their alignment, even when operating in harsh environments. These heavy-duty front axles have been specially designed to withstand the stresses of front loader applications. Front brakes are standard on 4WD models.





### **Best traction for optimum performance**

In adverse conditions, the rear axle differential can be fully locked by the operator. The front differential lock is a limited slip version, which engages automatically.

### **Excellent weight distribution**

New Holland expertise in tractor design ensures the overall weight of a Series TDD tractor is evenly distributed between the front and rear axles. For light tillage and operations such as baling, the tractor causes minimum soil compaction. In draft work, a combination of excellent traction, precise rear linkage control and excellent balance ensure optimum productivity.

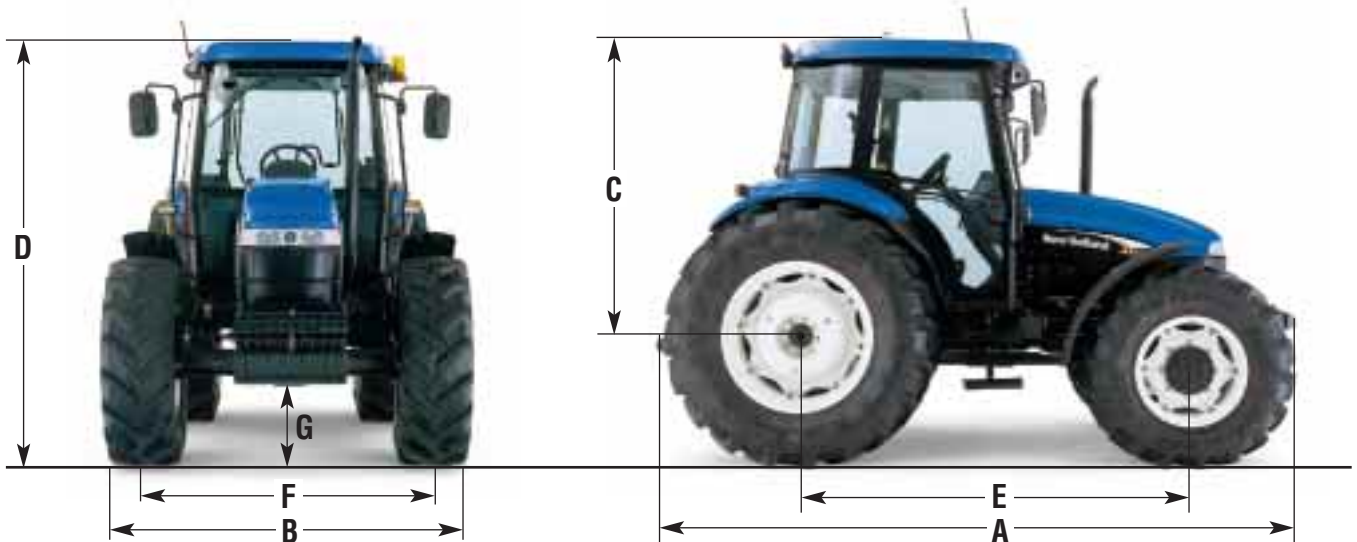


	TD80D	TD90D	TD95D
<b>Engine*</b>			
No. of cylinders / aspiration / emission level	4 / naturally / Tier II	4 / turbocharged / Tier II	4 / turbocharged / Tier II
Capacity (cm <sup>3</sup> )	3908	3908	3908
Bore x stroke (mm)	104x115	104x115	104x115
Rated engine power ISO TR14396 – 2000/25/EC [kW/hp(cv)]	58.5 / 80	65.5 / 89	69 / 94
Rated engine speed (rpm)	2500	2500	2500
Max. torque at 1500rpm (Nm)	279	320	337
Torque rise (%)	30	33	33
Fuel tank capacity (l)	92	92	92
<b>Synchro Command™ transmission - 30kph (Not available UK/ROI)</b>			
Number of gears (F - R)	12x4	–	–
Speed range (kph)	1.7-30	–	–
<b>Synchro Shuttle™ transmission - 30kph</b>			
Number of gears / with creeper (F - R)	12x12 / 20x12	12x12 / 20x12	12x12 / 20x12
Speed range / with creeper (kph)	1.8-30 / 0.3-30	1.8-30 / 0.3-30	1.8-30 / 0.3-30
<b>Synchro Shuttle™ transmission - 40kph</b>			
Number of gears / with creeper (F - R)	12x12 / 20x12	12x12 / 20x12	12x12 / 20x12
Speed range / with creeper (kph)	2.2-40 / 0.4-40	2.2-40 / 0.4-40	2.2-40 / 0.4-40
<b>Axles</b>			
2WD front axle	○	○	○
4WD front axle	●	●	●
<b>Hydraulics</b>			
Flexion Bar™ lower link draft sensing	●	●	●
Rear linkage category	II	II	II
Mechanical lift with Lift-O-Matic™	●	●	●
Position, draft, mixed and float controls	●	●	●
Main Pump flow - Standard (lpm)	40	40	40
Main Pump flow - MegaFlow™ (standard UK/ROI) (lpm)	52	52	52
Steering pump flow (lpm)	26.5	26.5	26.5
<b>Remote valves</b>			
Max. number	3	3	3
Mid mount couplers	○	○	○
<b>Linkage</b>			
Maximum lift capacity at ball ends with arms horizontal (kg)	3565	3565	3565
Continuous lift capacity through the range (610mm behind bar ends) (kg)	2700	2700	2700
<b>PTO</b>			
Engine speed at:			
540rpm (rpm)	2200	2200	2200
540 Economy rpm (rpm)	1715	1715	1715
1000rpm (rpm)	2380	2380	2380
PTO activation	mechanical	mechanical	mechanical
<b>Cab</b>			
Comfort driver seat	●	●	●
Air re-circulation filters	●	●	●
<b>Turnaround diameter at narrowest track setting</b>			
Turn angle (°)	50	50	50
Min Turn Radius (mm)	4100	4100	4100

		TD80D	TD90D	TD95D
<b>Dimensions**</b>				
<b>A</b> Overall length 2WD / 4WD	(mm)	4032 / 3976	4032 / 3976	4115 / 4059
<b>B</b> Minimum width	(mm)	1808	1808	1808
<b>C</b> Height at centre of rear axle to top of Cab / ROPS	(mm)	1878 / 1896	1878 / 1896	1878 / 1896
<b>D</b> Total height Cab / ROPS	(mm)	2540 / 2558	2566 / 2584	2618 / 2636
<b>E</b> Wheelbase 2WD / 4WD		2305 / 2249	2305 / 2249	2388 / 2332
<b>F</b> Track width				
Front 2WD	(mm)	1410 - 1910	1410 - 1910	1410 - 1910
Front 4WD	(mm)	1550 - 1980	1550 - 1980	1550 - 1980
Rear Min. / Max. (all axle types)	(mm)	1420 - 2025	1420 - 2025	1420 - 2025
<b>G</b> Ground clearance under drawbar 2WD / 4WD	(mm)	285 / 292	346 / 333	390 / 375
<b>Weights**</b>				
Minimum weight cab 2WD / 4WD	(kg)	3170 / 3600	3170 / 3600	3340 / 3770
Minimum weight ROPS 2WD / 4WD	(kg)	2940 / 3420	2940 / 3420	3150 / 3580
Max. permissible weight on the front axle 2WD / 4WD	(kg)	2000 / 2800	2000 / 2800	2000 / 2800
Max. permissible weight on the rear axle	(kg)	4000	4000	4000

\* New Holland Engine developed by IVECO    \*\* National restrictions apply

● Standard    ○ Optional at extra cost    – Not available





# A great family of specialists at work.

All New Holland people and products are special and have specific tasks: to meet customers' demands and to ensure customers' success. That is why farmers with specific working needs who are serious about their future trust New Holland and its world wide dealer network. They know that here they can find all the technological innovations that increase their productivity and confidence; more flexible and convenient finance packages, designed by people who understand agriculture; service that makes the difference, with prompt and efficient assistance in the workshop and the field and New Holland Original Parts - readily available for all types of machine and models. They know that New Holland people will understand them, because New Holland people think the way they do. New Holland is a great family of specialists, which together with its customers, is growing every day. Visit our web site or call free phone number - for UK: [www.newholland.com/uk](http://www.newholland.com/uk) - tel: **0800 015 0105** for ROI: [www.newholland.com/ie](http://www.newholland.com/ie) - tel: **1 800 523 174**



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AT YOUR OWN DEALERSHIP



**NEW HOLLAND IS A BRAND OF CNH.**  
**CNH: A WORLD-LEADING MANUFACTURER OF TRACTORS, COMBINES AND BALERS.**